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SAIC Engineering, Inc.

A Subsidiary of Science Applications International Corporation

An Employee-Owned Company

September 28, 1994

01-0801-05-0051-002

801.940927.007

U.S. Environmental Protection Agency
Region 1
John F. Kennedy Building
Boston, MA 02203

Attention: Mr. Frank Ciavattieri

Reference: Aerovox Site Post-Closure Monitoring, September 18, 19 and 20, 1994

Dear Mr. Ciavattieri:

Enclosed are the results of the water level monitoring and cap inspection conducted at the Aerovox site by SAIC Engineering, Inc. during the September 1994 full moon period. The next inspection and round of water level readings are scheduled for the March 1994 full moon period. Please call if you have any questions.

Sincerely,

SAIC ENGINEERING, INC.

Allen F. Davis, P.E.
Project Manager

Superfund Records Center
Aerovox
8.9

AFD/sls

Enclosures

cc: G. Monte, DEP/SERO
P. Galvani, Ropes & Gray
P. Szwaja, Aerovox

**Produced For The
12/96 AVX FOIA Request
New Bedford Harbor
Superfund Site**

**Document produced to AVX in
response to July 31, 2006 inquiry**

**POST-CLOSURE MONITORING REPORT
AEROVOX, INC., NEW BEDFORD, MASSACHUSETTS**

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this inspection report and all attachments, and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Peter Szwaja

9/28/94
Date

Peter Szwaja
Signature

Environmental Control Engineer
Official Title

LIST OF ATTACHMENTS

Tables 1A and 1B	Dated: 9/18/94
Tables 2A and 2B	Dated: 9/19/94
Tables 3A and 3B	Dated: 9/20/94
Attachment B - Cap Inspection Report	

TABLE 1A**WATER LEVEL READINGS**

**AEROVOX PLANT SITE
NEW BEDFORD, MASSACHUSETTS**

**Tide Stage: High
Time of Tide: 0613
Date: Sept. 18 1994
Time of Readings: 0553 - 0630**

LOCATION	TOP OF CASING ELEVATION (1) (2)	BASELINE ELEVATION (3)	CURRENT READING	CURRENT ELEVATION	CHANGE IN ELEVATION vs. BASELINE	RANGE OF ELEVATION OVER PREVIOUS 122 MONTHS (4)
Tide Gauge	4.76		1.65	3.11		
Well No. 2	6.92		3.48	3.44		
Well No. 2A	6.67	2.62	3.20	3.47	0.85	1.51 - 4.00
Well No. 3	6.95		5.00	1.95		
Well No. 3A	8.26	1.86	6.26	2.00	0.14	0.78 - 3.31
Well No. 4	10.99		8.85	2.14		
Well No. 4A	10.78	2.28	8.01	2.77	0.49	1.60 - 3.88
Well No. 7	7.59		5.19	2.40		
Well No. 7A	7.33	2.60	4.55	2.78	0.18	2.38 - 3.40

NOTES:

**Weather: 60 degrees F, Cldy.
Readings by: Cortland Ridings
Affiliation: SAIC Engineering , Inc.. 10 Riverside Drive, Lakeville, Massachusetts, 02347**

FOOTNOTES:

- (1) All readings and elevations are in feet and are referenced to mean sea level datum.
- (2) Tide elevation is measured in reference to a known elevaton of 4.76 ft , at a point on sheet piling near Well No. 2.
- (3) Baseline elevations shown for shallow wells Nos. 2A, 3A, 4A, and 7A are average monthly readings recorded for July 1984 through June 1985.
- (4) Numbers in this column are the range of recorded elevations from July 1984 through September, 1994.

TABLE 1B**WATER LEVEL READINGS**

**AEROVOX PLANT SITE
NEW BEDFORD, MASSACHUSETTS**

Tide Stage: Low
Time of Tide: 1240
Date: Sept. 18 1994
Time of Readings: 1220 - 1249

LOCATION	TOP OF CASING ELEVATION (1) (2)	BASELINE ELEVATION (3)	CURRENT READING	CURRENT ELEVATION	CHANGE IN ELEVATION vs. BASELINE	RANGE OF ELEVATION OVER PREVIOUS 122 MONTHS (4)
Tide Gauge	4.76		Dry	--		
Well No. 2	6.92		5.21	1.71		
Well No. 2A	6.67	2.62	3.85	2.82	0.20	1.51 - 4.00
Well No. 3	6.95		5.84	1.11		
Well No. 3A	8.26	1.86	6.26	2.00	0.14	0.78 - 3.31
Well No. 4	10.99		10.15	0.84		
Well No. 4A	10.78	2.28	8.14	2.64	0.36	1.60 - 3.88
Well No. 7	7.59		6.96	0.63		
Well No. 7A	7.33	2.60	4.56	2.77	0.17	2.38 - 3.40

NOTES:

Weather: 65 degrees F, Cldy.
Readings by: Cortland Ridings
Affiliation: SAIC Engineering, Inc., 10 Riverside Drive, Lakeville, Massachusetts, 02347

FOOTNOTES:

- (1) All readings and elevations are in feet and are referenced to mean sea level datum.
- (2) Tide elevation is measured in reference to a known elevation of 4.76 ft, at a point on sheet piling near Well No. 2.
- (3) Baseline elevations shown for shallow wells Nos. 2A, 3A, 4A, and 7A are average monthly readings recorded for July 1984 through June 1985.
- (4) Numbers in this column are the range of recorded elevations from July 1984 through September, 1994.

TABLE 2A**WATER LEVEL READINGS**

**AEROVOX PLANT SITE
NEW BEDFORD, MASSACHUSETTS**

Tide Stage: High
Time of Tide: 0655
Date: Sept. 19 1994
Time of Readings: 0636 - 0704

LOCATION	TOP OF CASING ELEVATION (1) (2)	BASELINE ELEVATION (3)	CURRENT READING	CURRENT ELEVATION	CHANGE IN ELEVATION vs. BASELINE	RANGE OF ELEVATION OVER PREVIOUS 122 MONTHS (4)
Tide Gauge	4.76		1.92	2.84		
Well No. 2	6.92		4.00	2.92		
Well No. 2A	6.67	2.62	3.41	3.26	0.64	1.51 - 4.00
Well No. 3	6.95		4.98	1.97		
Well No. 3A	8.26	1.86	6.12	2.14	0.28	0.78 - 3.31
Well No. 4	10.99		8.88	2.11		
Well No.4A	10.78	2.28	8.14	2.64	0.36	1.60 - 3.88
Well No. 7	7.59		5.30	2.29		
Well No. 7A	7.33	2.60	4.56	2.77	0.17	2.38 - 3.40

NOTES:

Weather: 65 degrees F, Sun
Readings by: Cortland Ridings
Affiliation: SAIC Engineering , Inc.. 10 Riverside Drive, Lakeville, Massachusetts, 02347

FOOTNOTES:

- (1) All readings and elevations are in feet and are referenced to mean sea level datum.
- (2) Tide elevation is measured in reference to a known elevaton of 4.76 ft , at a point on sheet piling near Well No. 2.
- (3) Baseline elevations shown for shallow wells Nos. 2A, 3A, 4A, and 7A are average monthly readings recorded for July 1984 through June 1985.
- (4) Numbers in this column are the range of recorded elevations from July 1984 through September, 1994.

TABLE 2B**WATER LEVEL READINGS**

**AEROVOX PLANT SITE
NEW BEDFORD, MASSACHUSETTS**

**Tide Stage: Low
Time of Tide: 1308
Date: Sept. 19 1994
Time of Readings: 1250 - 1320**

LOCATION	TOP OF CASING ELEVATION (1) (2)	BASELINE ELEVATION (3)	CURRENT READING	CURRENT ELEVATION	CHANGE IN ELEVATION vs. BASELINE	RANGE OF ELEVATION OVER PREVIOUS 122 MONTHS (4)
Tide Gauge	4.76		Dry	--		
Well No. 2	6.92		4.00	2.92		
Well No. 2A	6.67	2.62	3.46	3.21	0.59	1.51 - 4.00
Well No. 3	6.95		5.67	1.28		
Well No. 3A	8.26	1.86	6.36	1.90	0.04	0.78 - 3.31
Well No. 4	10.99		NR	NR		
Well No. 4A	10.78	2.28	NR	NR	NR	1.60 - 3.88
Well No. 7	7.59		6.96	0.63		
Well No. 7A	7.33	2.60	4.57	2.76	0.16	2.38 - 3.40

NOTES:

Weather: 70 degrees F, Sun

Readings by: Cortland Ridings

Affiliation: SAIC Engineering , Inc.. 10 Riverside Drive, Lakeville, Massachusetts, 02347

FOOTNOTES:

- (1) All readings and elevations are in feet and are referenced to mean sea level datum.
- (2) Tide elevation is measured in reference to a known elevation of 4.76 ft , at a point on sheet piling near Well No. 2.
- (3) Baseline elevations shown for shallow wells Nos. 2A, 3A, 4A, and 7A are average monthly readings recorded for July 1984 through June 1985.
- (4) Numbers in this column are the range of recorded elevations from July 1984 through September, 1994.
- NR Not reported in table; elevation readings at 4 and 4A determined to be in error based on readings 9/18/94 and 9/20/94 at these locations.

TABLE 3A**WATER LEVEL READINGS**

**AEROVOX PLANT SITE
NEW BEDFORD, MASSACHUSETTS**

**Tide Stage: High
Time of Tide: 0736
Date: Sept. 20 1994
Time of Readings: 0727 - 0749**

LOCATION	TOP OF CASING ELEVATION (1) (2)	BASLINE ELEVATION (3)	CURRENT READING	CURRENT ELEVATION	CHANGE IN ELEVATION vs. BASELINE	RANGE OF ELEVATION OVER PREVIOUS 122 MONTHS (4)
Tide Gauge	4.76		1.65	3.11		
Well No. 2	6.92		3.48	3.44		
Well No. 2A	6.67	2.62	3.20	3.47	0.85	1.51 - 4.00
Well No. 3	6.95		5.00	1.95		
Well No. 3A	8.26	1.86	6.26	2.00	0.14	0.78 - 3.31
Well No. 4	10.99		8.85	2.14		
Well No. 4A	10.78	2.28	8.01	2.77	0.49	1.60 - 3.88
Well No. 7	7.59		5.19	2.40		
Well No. 7A	7.33	2.60	4.55	2.78	0.18	2.38 - 3.40

NOTES:

**Weather: 65 degrees F, Sun
Readings by: Cortland Ridings
Affiliation: SAIC Engineering , Inc., 10 Riverside Drive, Lakeville, Massachusetts, 02347**

FOOTNOTES:

- (1) All readings and elevations are in feet and are referenced to mean sea level datum.
(2) Tide elevation is measured in reference to a known elevation of 4.76 ft , at a point on sheet piling near Well No. 2.
(3) Baseline elevations shown for shallow wells Nos. 2A, 3A, 4A, and 7A are average monthly readings recorded for July 1984 through June 1985.
(4) Numbers in this column are the range of recorded elevations from July 1984 through September, 1994.

TABLE 3B**WATER LEVEL READINGS**

**AEROVOX PLANT SITE
NEW BEDFORD, MASSACHUSETTS**

**Tide Stage: Low
Time of Tide: 1313
Date: Sept. 20 1994
Time of Readings: 1304 - 1327**

LOCATION	TOP OF CASING ELEVATION (1) (2)	BASELINE ELEVATION (3)	CURRENT READING	CURRENT ELEVATION	CHANGE IN ELEVATION vs. BASELINE	RANGE OF ELEVATION OVER PREVIOUS 122 MONTHS (4)
Tide Gauge	4.76		Dry	--		
Well No. 2	6.92		4.85	2.07		
Well No. 2A	6.67	2.62	3.51	3.16	0.54	1.51 - 4.00
Well No. 3	6.95		5.63	1.32		
Well No. 3A	8.26	1.86	6.27	1.99	0.13	0.78 - 3.31
Well No. 4	10.99		10.18	0.81		
Well No. 4A	10.78	2.28	8.37	2.41	0.13	1.60 - 3.88
Well No. 7	7.59		6.89	0.70		
Well No. 7A	7.33	2.60	4.57	2.76	0.16	2.38 - 3.40

NOTES:

**Weather: 70 degrees F, Sun
Readings by: Cortland Ridings
Affiliation: SAIC Engineering , Inc.. 10 Riverside Drive, Lakeville, Massachusetts, 02347**

FOOTNOTES:

- (1) All readings and elevations are in feet and are referenced to mean sea level datum.**
- (2) Tide elevation is measured in reference to a known elevaton of 4.76 ft , at a point on sheet piling near Well No. 2.**
- (3) Baseline elevations shown for shallow wells Nos. 2A, 3A, 4A, and 7A are average monthly readings recorded for July 1984 through June 1985.**
- (4) Numbers in this colum Numbers in this column are the range of recorded elevations from July 1984 through September, 1994.**

SHEET PILING/CAP INSPECTION REPORT - SEPTEMBER 1994

AEROVOX PLANT SITE NEW BEDFORD, MASSACHUSETTS

Page 1 of 2

	Check if any listed defect is observed					
	CRACKS OR GAPS	FLAKING OF SPALLING	FROST HEAVES	DEPRESSION OR SETTLEMENT	OTHER	
A. 8-foot wide strip adjacent to north trough						
1. Surface						
2. Joints						
B. Directly behind plant						
1. Surface						
2. Joints						
• along building						
• around cooling tower						
• around well casings						Some minor cracking
• along steel pilings						
• around fence posts						
C. Remining area on either side of old pump house.						

SHEET PILING/CAP INSPECTION REPORT - SEPTEMBER 1994

**AEROVOX PLANT SITE
NEW BEDFORD, MASSACHUSETTS**

Page 2 of 2

	Check if any listed defect is observed					
	CRACKS OR GAPS	FLAKING OF SPALLING	FROST HEAVES	DEPRESSION OR SETTLEMENT	OTHER	
1. Surface						
2. Joints						
• around well casings						
• around fence post						
• along steel pilings						
D. South drainage trough extension (concrete pipe)						
1. Surface						
2. Joints	✓					

Inspected by: Courtland Ridings

Affiliation: SAIC Engineering, Inc., 10 Riverside Drive, Lakeville, Massachusetts 02347

NOTE: Joints between concrete trough and asphalt paving, south of fence directly behind plant, should be resealed.